



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Haifeng BI et al.  
Appl. No. : 10/813,052  
Filed : March 31, 2004  
For : SECURE ATM-BASED DISTRIBUTED VIRTUAL TANDEM  
SWITCHING SYSTEM AND METHOD  
Group Art Unit : 2666  
Examiner : Not Yet Assigned  
Confirmation No. : 4859

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir :

In accordance with the duty of disclosure under 37 C.F.R. §1.56 and §§1.97-1.98,  
Applicants hereby call to the Examiner's attention the following documents:

ATM Forum Technical Committee "ATM Security Specification," Version 1.0,  
Document af-sec-0100-001, February 1999 (Applicants note that this document is  
mentioned on page 21 of the specification of the present application);

ATM Forum Technical Committee "Traffic Management Specification", Version  
4.0, Document af-tm-0056-000, April 1996;

ATM Forum Technical Committee, "Circuit Emulation Service Interoperability  
Specification", Version 2.0, published January, 1997;

ATM Forum Technical Committee, "Voice and Telephony Over ATM-ATM  
Trunking Using AAL1 for Narrowband Services", Version 1.0, published July, 1997;

Canadian Office Action dated 08/27/02 for related Canadian Patent Application No. 2,299,438;

Canadian Patent Application No. 2,411,027 to ALLEN, Jr. et al., which was filed on May 22, 2001;

Canadian Patent No. 2,299,438 to ALLEN, Jr. et al., which issued on September 30, 2003;

Clark, R. J. et al., "Deploying ATM in a Data Network: An Analysis of SVC Requirements", October 16, 1995, page 9-18;

International Search Report dated 03/14/02 for counterpart International Application No. PCT/US01/42922;

European Patent Application Publication No. EP 1 252 749, which was published on October 30, 2002, which is based on International Application No. PCT/US01/00642, filed on January 19, 2001, and published on July 26, 2001 having Publication No. WO 01/54365;

European Patent Application Publication No. EP 1 302 026, which was published on April 16, 2003, which is based on International Application Publication No. WO 01/91379, published on November 29, 2001;

European Patent Application Publication No. EP 1 086 550, which was published on March 28, 2001, which is based on International Application Publication No. WO 99/57851, published on November 11, 1999;

European Patent Application Publication No. EP 0 603 915, which was published on June 29, 1994;

International Application No. PCT/US01/00642, which was filed on January 19, 2001;

International Application Publication No. WO 01/91379, which was published on November 29, 2001;

International Application Publication No. WO 02/37779, which was published on May 10, 2002;

International Patent Application Publication No. WO 99/57851, which was published on November 11, 1999;

International Search Report dated 05/14/01 related to International Application No. PCT/US01/00642, which was filed on 01/19/01;

International Search Report mailed on 10/22/01 with respect to International Application No. PCT/US01/10825;

ITU-T Recommendation Q.2955.1, "Stage 3 Description for Community of Interest Supplementary Services Using B-ISDN DSS 2: Closed User Group (CUG)", June 1997. Applicants note that this document is mentioned on page 13 of the specification of the present application;

Jomer, P., "Connection Caching of Traffic Adaptive Dynamic Virtual Circuits", Computer Communication Review, vol. 19, no. 4, September 1989, pages 13-24;

Lucent Technologies, "NavisCore ATM Configuration Guide", Chapter 15, pp. 15-1 to 150-13 (Applicants note that this document is mentioned on page 14 of the specification of the present application);

Malik, O., "It's the Voice, Stupid", Forbes, Digital Tool, September 8, 1999;

Mexican Patent Application No. 004087, which was filed on April 27, 2000;

PCT Written Opinion mailed on March 22, 2000 in a related International Application No. PCT US99/06555, which was filed on April 30, 1999;

PCT Written Opinion mailed on July 26, 2000 in a related International Application No. PCT/US99/06555;

Supplemental European Search Report from the European Patent Office dated May 19, 2003 with respect to counterpart European Patent Application EP 01 93 7166;

Supplementary European Search Report dated February 21, 2003 for related European Application No. EP 01 90 4799;

European Office Action dated March 3, 2004 with respect to related European Application No. EP 01937166.5;

Taiwanese Patent Application No. 88106842 to ALLEN, Jr. et al., which is now R.O.C Patent No. 139933, which issued in December 27, 2001;

U.S. Patent Application No. 09/534,308 to BI et al., which was filed on March 23, 2000;

U.S. Patent Application No. 09/576,036 to ALLEN, which was filed May 23, 2000;

U.S. Patent Application Publication No. 2002/0064129 to SERBEST et al., which was published on May 30, 2002;

U.S. Patent Application Publication No. 2002/0093947 to ALLEN Jr. et al., which was published on July 18, 2002;

U.S. Patent Application Publication No. 2001/0036188 to CARLSSON, which was published on November 10, 2001;

U.S. Patent Application Publication No. 2002/0009086 to GALLANT et al., published on January 24, 2002;

U.S. Patent No. 5,260,978 to FLEISCHER et al., which issued on November 9, 1993;

U.S. Patent No. 5,339,318 to TANAKA et al., which issued in August 1994;

U.S. Patent No. 5,363,369 to HEMMADY et al., which issued on November 8, 1994;

U.S. Patent No. 5,365,524 to HILLER et al., which issued on November 15, 1994;

U.S. Patent No. 5,392,402 to ROBROCK II, which issued on February 21, 1995;

U.S. Patent No. 5,428,607 to HILLER et al., which issued on June 27, 1995;

U.S. Patent No. 5,434,853 to HEMMADY et al., which issued on July 18, 1995;

U.S. Patent No. 5,434,854 to FOCARILE et al., which issued on July 18, 1995;

U.S. Patent No. 5,438,565 to HEMMADY et al., which issued on August 1, 1995;

U.S. Patent No. 5,459,722 to SHERIF, which issued on October 17, 1995;

U.S. Patent No. 5,483,527, to DOSHI et al., which issued on January 9, 1996;

U.S. Patent No. 5,490,140 to ABENSOUR et al., which issued in 02/96;

U.S. Patent No. 5,513,174, to PUNJ, which issued on April 30, 1996;

U.S. Patent No. 5,539,884 to ROBROCK, II, which issued on July 23, 1996;

U.S. Patent No. 5,568,475 to DOSHI et al., which issued October 22, 1996;

U.S. Patent No. 5,581,551, to FUNDNEIDER et al., which issued on December 3, 1996;

U.S. Patent No. 5,619,500, to HIEKALI, which issued on April 8, 1997;

U.S. Patent No. 5,623,491, to SKOOG, which issued on April 22, 1997;

U.S. Patent No. 5,638,365, to DUAULT et al., which issued on June 10, 1997;

U.S. Patent No. 5,703,876 to CHRISTIE, which issued December 30, 1997;

U.S. Patent No. 5,710,769, to ANDERSON et al., which issued on January 20, 1998;

U.S. Patent No. 5,719,863 to HUMMEL, which issued February 17, 1998;

U.S. Patent No. 5,757,783, to ENG et al., which issued on May 26, 1998;

U.S. Patent No. 5,781,320 to BYERS, which issued on July 14, 1998;

U.S. Patent No. 5,784,371 to IWAI, which issued in July 1998;

U.S. Patent No. 5,796,836 to MARKHAM, which issued August 18, 1998;

U.S. Patent No. 5,825,750 to THOMPSON, which issued October 20, 1998;

U.S. Patent No. 5,845,211 to ROACH, Jr., which issued on December 1, 1998;

U.S. Patent No. 5,867,571, to BORCHERING, which issued on February 2, 1999;

U.S. Patent No. 5,883,893, to RUMER et al., which issued on March 16, 1999;

U.S. Patent No. 5,889,773 to STEVENSON, III, which issued March 30, 1999;

U.S. Patent No. 5,898,673 to RIGGAN et al., which issued in April 1999;

U.S. Patent No. 5,914,956 to WILLIAMS, which issued June 22, 1999;

U.S. Patent No. 5,920,559 to AWAJI, which issued in July 1999;

U.S. Patent No. 5,926,464 to FRASER, which issued in July 1999;

U.S. Patent No. 5,930,238 to NGUYEN, which issued in July 1999;

U.S. Patent No. 5,943,321 to ST-HILAIRE et al., which issued August 24, 1999;

U.S. Patent No. 5,953,316 to LAZAR et al., which issued September 14, 1999;

U.S. Patent No. 5,956,334 to CHU et al., which issued September 21, 1999;

U.S. Patent No. 5,991,301 to CHRISTIE, which issued November 23, 1999;

U.S. Patent No. 5,991,746 to WANG, which issued on November 23, 1999;

U.S. Patent No. 6,009,100 to GAUSMANN et al., which issued in December 1999;

U.S. Patent No. 6,028,933 to HEER et al., which issued on February 22, 2000;

U.S. Patent No. 6,031,840 to CHRISTIE et al., which issued on February 29, 2000;

U.S. Patent No. 6,035,405 to GAGE et al., which issued on March 7, 2000;

U.S. Patent No. 6,049,531 to ROY, which issued on April 11, 2000;

U.S. Patent No. 6,055,232 to WARD et al., which issued on April 25, 2000;

U.S. Patent No. 6,101,183 to BYERS, which issued on August 8, 2000;

U.S. Patent No. 6,134,235 to GOLDMAN et al., which issued on October 17, 2000;

U.S. Patent No. 6,141,339 to KAPLAN et al., which issued on October 31, 2000;

U.S. Patent No. 6,151,315 to ASH et al., which issued on November 21, 2000;

U.S. Patent No. 6,169,735 to ALLEN Jr. et al., which issued on January 2, 2001;

U.S. Patent No. 6,175,622 to CHINIWALA et al., which issued in January 2001;

U.S. Patent No. 6,195,333 to WISE, which issued on February 27, 2001;

U.S. Patent No. 6,195,714 to LI et al., which issued on February 27, 2001;

U.S. Patent No. 6,219,348 to ALLEN Jr. et al., which issued on November 16, 2000;

U.S. Patent No. 6,252,952 to KUNG et al., which issued on June 26, 2001;

U.S. Patent No. 6,263,212 to ROSE et al., which issued in July 2001;

U.S. Patent No. 6,275,493 to MORRIS et al., which issued on August 14, 2001;

U.S. Patent No. 6,282,194 to CHEESMAN et al., which issued on August 28, 2001;

U.S. Patent No. 6,339,830 to SEE et al., which issued in January 15, 2002;

U.S. Patent No. 6,343,065 to SERBEST, which issued on October 26, 2001;

U.S. Patent No. 6,345,048 to ALLEN Jr. et al., which issued on February 2002;

U.S. Patent No. 6,389,011 to ALLEN Jr. et al., which issued on May 14, 2002;

and

U.S. Patent No. 6,757,278 to BI, which issued on June 29, 2004.

Further to the U.S. Patent and Trademark Office's decision to waive the requirement under 37 C.F.R. §1.98 (a)(2)(i), copies of the U.S. patents are not enclosed herewith. However, if any copies are needed, the Examiner is respectfully requested to contact the undersigned.

Applicants respectfully request that the Examiner consider the above material and cite the same. Copies of the above-noted non-U.S. patent documents are attached hereto and all of the documents have been listed on the attached PTO-1449 Form. The Examiner is requested to initial the appropriate spaces on the attached Form and to return a copy of the completed Form to the Applicants with the next official communication in the present application.

Applicants note that an Office Action on the merits has not issued in the present application, and thus no fee is believed necessary to ensure consideration of the submitted material. However, if an Office Action on the merits has issued and is crossing this statement in the mail, the undersigned hereby authorizes the Commissioner to charge any



K24836.A01

necessary for the consideration of this statement, including any payment under 37 C.F.R. §1.17 (p) to Deposit Account No. 19-0089.

Should the Examiner have any questions, the Examiner is invited to contact the undersigned at the below-listed telephone number.

Respectfully Submitted,  
Haifeng BI et al.



Bruce H. Bernstein  
Reg. No. 29,027

July 26, 2004  
GREENBLUM & BERNSTEIN, P.L.C.  
1950 Roland Clarke Place  
Reston, VA 20191  
(703) 716-1191

FORM PTO-1449

U.S. Department of Commerce  
Patent and Trademark OfficeAtty. Docket No.  
P24836Application No.  
10/813,052INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

(Use several sheets if necessary)

Applicant  
Haifeng Bi et alFiling Date  
March 31, 2004Group  
2666

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO
	2 4 1 1 0 2 7	05/22/01	CANDIAN				
	2 2 9 9 4 3 8	09/30/03	CANDIAN				
	1 2 5 2 7 4 9	10/30/02	E.P.O				
	1 3 0 2 0 2 6	04/16/03	E.P.O				
0	1 / 5 4 3 6 5	07/26/01	W.I.P.O				
	1 0 8 6 5 5 0	03/28/01	E.P.O				
9	9 / 5 7 8 5 1	11/11/99	W.I.P.O				
	0 6 0 3 9 1 5	06/29/94	E.P.O				
0	1 / 9 1 3 7 9	11/29/01	W.I.P.O				
0	2 / 3 7 7 7 9	05/10/02	W.I.P.O				
9	9 / 5 7 8 5 1	11/11/99	W.I.P.O				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

1	ATM Forum Technical Committee "ATM Security Specification," Version 1.0, Document af-sec-0100-001, February 1999
2	ATM Forum Technical Committee "Traffic Management Specification", Version 4.0, Document af-tm-0056-000, April 1996.
3	ATM Forum Technical Committee, "Circuit Emulation Service Interoperability Specification", Version 2.0, published January, 1997.
4	ATM Forum Technical Committee, "Voice and Telephony Over ATM-ATM Trunking Using AAL1 for Narrowband Services", Version 1.0, published July, 1997.
5	Clark, R. J. et al., "Deploying ATM in a Data Network: An Analysis of SVC Requirements", October 16, 1995, page 9-18.
6	Clark, R. J. et al., "Deploying ATM in a Data Network: An Analysis of SVC Requirements", October 16, 1995, page 9-18.
7	ITU-T Recommendation Q.2955.1, "Stage 3 Description for Community of Interest Supplementary Services Using B-ISDN DSS 2: Closed User Group (CUG)", June 1997.
8	Jomer, P., "Connection Caching of Traffic Adaptive Dynamic Virtual Circuits", Computer Communication Review, vol. 19, no. 4, September 1989, pages 13-24;
9	Lucent Technologies, "NavisCore ATM Configuration Guide", Chapter 15, pp. 15-1 to 150-13 (Applicants note that this document is mentioned on page 14 of the specification of the present application).

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449		U.S. Department of Commerce Patent and Trademark Office							Atty. Docket No. P24836		Application No. 10/813,052	
 Use several sheets if necessary									Applicant Haifeng BI et al			
									Filing Date March 31, 2004		Group 2666	

## U.S. PATENT DOCUMENTS

EXAMINER INITI AL		DOCUMENT NUMBER							DATE	NAME	CLAS S	SUBCLASS	FILING DATE IF APPROPRIATE
	2002/	0	0	6	4	1	2	9	05/30/02	SERBEST et al			
	2002/	0	0	9	3	9	4	7	07/18/02	ALLEN Jr. et al			
	2001/	0	0	3	6	1	8	8	11/10/01	CARLSSON			
	2002/	0	0	0	9	0	8	6	01/24/02	GALLANT et al			
		5	2	6	0	9	7	8	11/09/93	FLEISCHER et al			
		5	3	3	9	3	1	8	08/1994	HEMMADY et al			
		5	3	6	5	5	2	4	11/15/94	HILLER et al			
		5	3	9	2	4	0	2	02/21/95	ROBROCK II			
		5	4	2	8	6	0	7	06/27/95	HILLER et al			
		5	4	3	4	8	5	3	07/18/95	HEMMADY et al			
		5	4	3	4	8	5	4	07/18/95	FOCARILE et al			
		5	4	3	8	5	6	5	08/01/95	HEMMADY et al			
		5	4	5	9	7	2	2	10/17/95	SHERIF			
		5	4	8	3	5	2	7	01/09/96	DOSHI et al			
		5	4	9	0	1	4	0	02/1996	ABENSOUR et al			
		5	5	1	3	1	7	4	04/30/96	PUNJ			
		5	5	3	9	8	8	4	07/23/96	ROBROCK, II			
		5	5	6	8	4	7	5	10/22/96	DOSHI et al			
		5	5	8	1	5	5	1	12/03/96	FUNDENEIDER et al			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
		0	0	4	0	8	7		04/27/00	MEXICAN			
	8	8	1	0	6	8	4	2	12/27/01	TAIWAN			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

1	0	Malik, O., "It's the Voice, Stupid", Forbes, Digital Tool, September 8, 1999											

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

U.S. Department of Commerce  
Patent and Trademark OfficeAtty. Docket No.  
P24836Application No.  
10/813,052O I P E INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT  
(Use several sheets if necessary)Applicant  
Haifeng BI et alFiling Date  
March 31, 2004Group  
2666

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5	6	1	9	5	0	0	04/08/97	HHIEKALI			
	5	6	2	3	4	9	1	04/22/97	SKOOG			
	5	6	8	3	3	6	5	06/10/97	DUAULT et al			
	5	7	0	3	8	7	6	12/30/97	CHRISTIE			
	5	7	1	0	7	6	9	01/20/98	ANDERSON et al			
	5	7	1	9	8	6	3	02/17/98	HUMMEL et al			
	5	7	5	7	7	8	3	05/26/98	ENG et al			
	5	7	8	1	3	2	0	07/14/98	BYERS			
	5	7	8	4	3	7	1	07/1998	IWAI			
	5	7	9	6	8	3	6	08/18/98	HARKHAM			
	5	8	2	5	7	5	0	10/20/98	THOMPSON			
	5	8	4	5	2	1	1	12/01/98	ROACH, Jr			
	5	8	6	7	5	7	1	02/02/99	BORCHERING			
	5	8	8	3	8	9	3	03/16/99	RUMER et al			
	5	8	8	9	7	7	3	03/30/99	STEVENSON, III			
	5	8	9	8	6	7	3	04/1999	RIGGAN et al			
	5	9	1	4	9	5	6	06/22/99	WILLIAMS			
	5	9	2	0	5	5	9	07/1999	AWAJI			
	5	9	2	6	4	6	4	07/1999	FRASER			
	5	9	3	0	2	3	8	07/1999	NGUYEN			
	5	9	4	3	3	2	1	08/24/99	ST-HILAIRE et al			
	5	9	5	3	3	1	6	09/14/99	LAZAR et al			
	5	9	5	6	3	3	4	09/21/99	CHU et al			
	5	9	9	1	3	0	1	11/23/99	CHRISTIE			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449		U.S. Department of Commerce Patent and Trademark Office						Atty. Docket No. P24836		Application No. 10/813,052		
		INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)						Applicant Haifeng BI et al				
								Filing Date March 31, 2004		Group 2666		
<b>U.S. PATENT DOCUMENTS</b>												
EXAMINER INITIAL	DOCUMENT NUMBER						DATE	NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5	9	9	1	7	4	6	11/23/99 WANG				
	6	0	0	9	1	0	0	12/1999 GAUSMANN et al				
	6	0	2	8	9	3	3	02/22/00 HEER et al				
	6	0	3	1	8	4	0	02/29/00 CHRISTE et al				
	6	0	3	5	4	0	5	03/07/00 GAGE et al				
	6	0	4	9	5	3	1	04/11/00 ROY				
	6	0	5	5	2	3	2	04/25/00 WARD et al				
	6	1	0	1	1	8	3	08/08/00 BYERS				
	6	1	3	4	2	3	5	10/17/00 GOLDMAN et al				
	6	1	4	1	3	3	9	10/31/00 KAPLAN et al				
	6	1	5	1	3	1	5	11/21/00 Ash ET AL				
	6	1	6	9	7	3	5	01/02/01 ALLEN, Jr. et al				
	6	1	7	5	6	2	2	01/2001 CHINIWALA et al				
	6	1	9	5	3	3	3	02/27/01 WISE				
	6	1	9	5	7	1	4	02/27/01 LI et al				
	6	2	1	9	3	4	8	11/16/00 ALLEN, Jr. et al				
	6	2	5	2	9	5	2	06/26/01 KUNG et al				
	6	2	6	3	2	1	2	07/2001 ROSE et al				
	6	2	7	5	4	9	3	08/14/01 MORRIS et al				
	6	2	8	2	1	9	4	08/28/01 CHEESMAN et al				
	6	3	3	9	8	3	0	01/15/02 SEE et al				
	6	3	4	3	0	6	5	10/26/01 SERBRST				
	6	3	4	5	0	4	8	02/02002 ALLEN, Jr. et al				
	6	3	8	9	0	1	1	05/14/02 ALLEN, Jr. et al				
<b>FOREIGN PATENT DOCUMENTS</b>												
	DOCUMENT NUMBER						DATE	COUNTRY		CLASS	SUBCLASS	TRANSLATION YES      NO
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>												
EXAMINER							DATE CONSIDERED					
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.												

